

*Supplementary List of Co-ordinates of Stars within or near the Milky Way.* By A. Marth, Esq.*(Communicated by Mr. Lassell.)*

I enclose a "Supplementary List of Co-ordinates of Stars within or near the *Milky Way*," giving the places of a number of leading stars not contained in the lists published in the *Monthly Notices* for November 1872 and June 1873, so as to give to the whole zone one uniform breadth of 40 instead of only 30 degrees, and to include only those portions of the *Milky Way*, which, according to Heis's *Atlas Cœlestis Novus*, extend beyond this zone. I have added at the end the data for tracing in the map the course of some of the arches of the sphere, which may be wanted. For, though not intended to be inserted in a finished drawing of the *Milky Way*, it may for some purposes be useful to have them inserted in the preparatory maps:—

$x$ in.	$y$ in.	Mag.	Star.	B.A.C.
0°20	7°79	5·3	57 Aquilæ	6822
0°51	—0°29	2	$\alpha$ Ophiuchi	5941
1°34	2°70	5·3	...	wanting
·53	1°83	6	...	wanting
·88	0°42	5	93 Herculis	6094
1°99	7°79	3	$\theta$ Aquilæ	6934
2°61	1°73	5·7	...	wanting
·70	0°51	5	101 Herculis	6159
·71	0°17	5	96 "	6110
·84	0°07	4·7	95 "	6106
2°84	0°44	4·3	102 "	6157
3°45	3°29	5·3	...	wanting
3°77	—1°04	3·3	$\mu$ Herculis	6021
4°28	—0°69	3·7	$\xi$ "	6084
·36	—0°26	4	$\sigma$ "	6150
·48	—0°73	4·3	$\nu$ "	6087
·63	+0°28	5	$t$ "	6238
·70	—0°41	5	$b$ "	6147
·72	7°75	5	$\kappa$ Delphini	7141
·96	2°11	6	...	wanting
4°96	0°28	5	A Herculis	6178
5°90	4°21	5·3	...	wanting
5°91	—1°29	4	$\theta$ Herculis	6082

$x$ in.	$y$ in.	Mag.	Star.	B.A.C.
6.02	-0.32	4.7	$\kappa$ Lyrae	6235
.66	4.78	6	20 Vulpeculae	6944
6.78	-0.41	5	$\mu$ Lyrae	6268
7.00	4.08	6	...	wanting
.38	6.10	5.3	30 Vulpeculae	7188
.41	3.85	6	...	wanting
7.72	8.11	4.3	1 Pegasi	7418
8.12	0.34	var.	R Lyrae	6475
.15	5.05	5.3	48 Cygni	7131
.48	1.32	5.7	...	6656
.57	7.82	4.7	2 Pegasi	7474
.74	-1.11	5	...	6255
8.79	+0.30	5.3	16 Lyrae	6520
9.05	-1.99	2.3	$\gamma$ Draconis	6091
.38	+7.98	4	$\kappa$ Pegasi	7571
.42	-0.24	5.3	...	6470
.47	-0.01	5.3	..	wanting
.55	-0.91	5.3	...	6350
9.73	6.52	6	...	7465
10.18	7.44	5	14 Pegasi	7607
.24	0.24	4	$\kappa$ Cygni	6623
.30	-0.85	5.3	$\epsilon$ Draconis	6395
.33	1.75	5.3	$\epsilon$ Cygni	6895
.38	5.78	5	70 "	7462
.54	-1.20	5	$d$ Draconis	6348
.86	-1.51	5	$b$ "	6289
10.95	+3.80	5.3	60 Cygni	7306
11.05	-0.19	5.3	54 Draconis	6601
.15	+2.78	5.3	51 Cygni	7182
.18	-0.86	4.7	$o$ Draconis	6463
11.51	3.15	5.7	...	7294
12.21	2.98	6	...	7365
.39	5.44	5.7	...	7681
.57	3.48	6	...	7483
12.72	-0.62	5	$\pi$ Draconis	6662
13.07	-0.90	3	$\delta$ "	6612
.52	-0.05	5	$\rho$ "	6926
.62	-0.70	5.3	$\sigma$ "	6735
.85	-0.49	3.7	$\epsilon$ "	6836

Dec. 1873.

*within or near the Milky Way.*

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<i>x</i> in.	<i>y</i> in.	Mag.	Star.	B.A.C.
13·99	1·53	5·3	6 Cephei	7428
14·41	5·65	5·7	...	7999
15·07	−0·38	5·3	73 Draconis	7156
·33	+5·04	6	...	8107
·45	−0·88	4·3	κ Cephei	7005
·66	+0·74	5·3	16 „	7686
15·84	5·77	5·7	18 Andromedæ	8231
16·02	2·31	5·3	...	8039
·09	3·38	5·7	4 Cassiopeiæ	8162
·36	2·24	5·3	ο Cephei	8124
16·39	0·48	5·3	...	7881
17·11	3·23	5·7	10 Cassiopeiæ	8373
·23	−0·67	5	34 H. Cephei	7990
·78	8·24	5·3	32 Andromedæ	173
·85	6·03	4·7	ξ Cassiopeiæ	180
17·89	6·72	5	π „	189
18·00	1·16	5·7	23 „	206
·05	−1·74	2	α Ursæ Minoris	360
·05	−1·12	4·3	43 H. Cephei	262
·15	3·91	5·3	...	239
·43	8·42	4	μ Andromedæ	259
·75	1·44	5·3	40 Cassiopeiæ	468
18·95	0·76	5·7	49 „	608
19·04	8·96	2·3	β Andromedæ	334
·19	4·17	5·3	χ Cassiopeiæ	456
19·54	−0·65	5·3	49 H. Cephei	1211
20·16	7·79	5·3	τ Andromedæ	502
20·63	4·47	5·3	ι Persei	721
21·42	8·01	5·3	58 Andromedæ	649
21·67	8·54	3	β Trianguli	656
22·97	7·27	4·7	16 Persei	871
23·34	7·82	5	17 „	877
23·61	7·65	5·3	24 „	915
24·21	0·18	5·3	31 Camelopardali	1849
24·44	7·38	5	23 H. Persei	1017
25·00	0·55	5	ξ Aurigæ	1854
26·63	0·27	5·3	46 ψ „	2044
·70	8·28	4·3	17 Tauri	1147
·87	8·16	4	27 „	1176

$x$ in.	$y$ in.	Mag.	Star.	B.A.C.
26·96	7·10	5·3	41 Tauri	1262
27·71	7·95	4·7	A „	1257
27·81	0·07	5·3	55 $\psi^4$ Aurigæ	2182
28·15	0·36	5·3	50 $\psi^2$ „	2159
28·46	0·02	5	58 $\psi^7$ „	2223
29·03	7·95	4	$\delta$ Tauri	1346
·06	7·81	5	68 „	1365
·24	8·31	4	$\gamma$ „	1328
·48	7·95	4	$\theta^1$ „	1380
·49	7·96	4	$\theta^2$ „	1381
·50	7·85	5	...	1391
·62	8·18	5	$\pi$ Tauri	1370
·83	7·90	5·3	$\rho$ „	1409
·83	7·54	5	$\sigma^2$ „	1437
29·84	7·58		$\sigma^1$ „	1436
30·15	0·01	5·7	...	2314
·18	6·72	5·3	...	1526
·36	8·02	4·3	$\epsilon$ Tauri	1434
·51	7·26	6	$\phi^1$ Orionis	1500
·75	7·19	5	$\phi^2$ „	1525
30·92	5·20	5	119 Tauri	1726
31·06	0·15	4·7	$\tau$ Geminorum	2340
·07	-0·68	4·7	$\rho$ „	2464
·13	-0·91	1·7	$\alpha$ „	2485
·28	7·65	5	7 $\pi^1$ Orionis	1516
·36	7·97	4·7	2 $\pi^2$ „	1491
·67	8·22	3·7	1 $\pi^3$ „	1486
·80	-0·25	4	$\iota$ Geminorum	2442
·81	-0·42	5·3	$b^1$ „	2467
·86	-0·42	5	$b^2$ „	2469
·90	-1·04	5	$\sigma$ „	2540
31·96	+8·32	4·3	3 $\pi^4$ Orionis	1495
32·11	-1·07	1·3	$\beta$ Geminorum	2555
·11	+5·09	5·3	133 Tauri	1834
·18	-0·61	4·3	$\upsilon$ Geminorum	2493
·30	+0·07	5·7	A „	2431
·62	8·55	4	8 $\pi^5$ Orionis	1514
·84	-0·76	3·7	$\kappa$ Geminorum	2551
32·87	8·45	4·7	10 $\pi^6$ Orionis	1538

$x$ in.	$y$ in.	Mag.	Star.	B.A.C.
33°03	6°64	5·3	A Orionis	1722
°09	7°70	5	$\rho$ „	1611
°23	7°23	5·3	$m$ „	1665
°42	7°11	5	$\psi$ „	1700
°59	7°33	5	25 „	1685
33°91	7°69	5	$o$ „	1660
34°04	−0°35	5·3	$g$ Geminorum	2558
°25	7°41	5·3	31 Orionis	1717
°40	8°76	3	$\beta$ Eridani	1588
34°99	8°51	4	$\tau$ Orionis	1638
35°17	8°77	1	$\beta$ „	1623
°34	8°33	5	$e$ „	1680
°44	7°93	5	$v$ „	1731
35°60	7°62	5·3	$d$ „	1785
36°56	−0°96	3·7	$\beta$ Cancri	2778
47°77	−0°23	4	$\alpha$ Antliæ	3578

*Co-ordinates for tracing the course of the Equator, of the Ecliptic, and of the Parallels of 30° and 60° Decl.*

Equator.			Ecliptic.		
$x$ in.	$y$ in.	$x$ in.	$x$ in.	$y$ in.	$x$ in.
68°88	−1	39°12	33°83	−1	63°26
69°57	0	38°43	33°09	0	63°99
70°22	+1	37°78	32°41	+1	64°67
70°83	2	37°17	31°77	2	65°32
71°42	3	36°58	31°15	3	65°94
0°00	4	36°00	30°54	4	66°54
0°58	5	35°42	29°94	5	67°15
1°17	6	34°83	29°32	6	67°77
1°78	7	34°22	28°67	7	68°41
2°43	8	33°57	27°99	8	69°09
3°12	9	32°88	27°26	9	69°83

30° N. Decl.			30° S. Decl.		
$x$ in.	$y$ in.	$x$ in.	$x$ in.	$y$ in.	$x$ in.
4°32	−1	31°68	49°00	−1	59°00
4°77	0	31°23	47°11	0	60°89
5°26	+1	30°74	45°76	+1	62°24
5°80	2	30°20	44°70	2	63°30
6°39	3	29°61	43°81	3	64°19

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